Gosafe®

GOS-606 Personal Tracking Device

User Manual | Version 1.00

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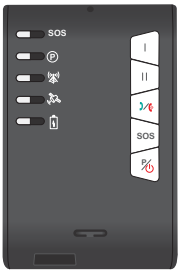
1.DEVICE INTRODUCTION

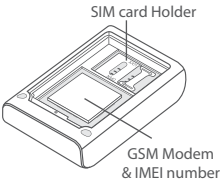
The simple, yet sporty and sleek GOS-606 is a personal and portable tracking device unlike anything else. Always know where your child may be. Watch over loved ones who may need you. Track your company's assets wherever they go. With just one push of a button, you can know within one minute the exact location of your GOS-606.

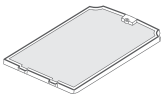
1.2 PHYSICAL APPEARANCE

Device

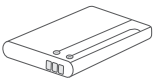


Components



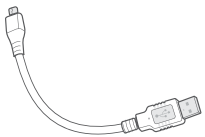


Back Cover

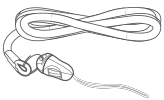


Battery

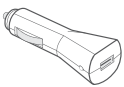
Accsessories



Configuration & charging cable

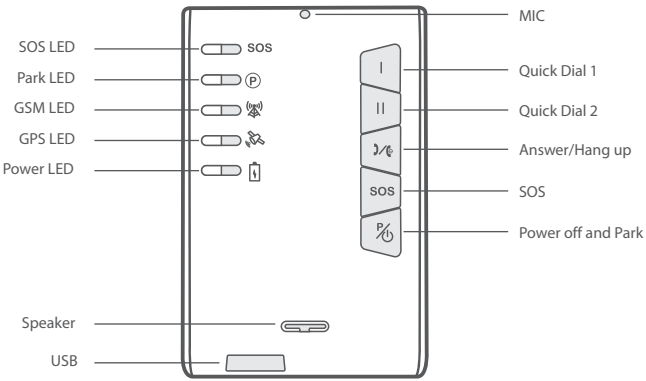


Neck strap



Car Charger

1.3 FRONT VIEW



Speaker	Speaker for voice calls
MIC	Microphone for voice calls
Answer/Hang up Button	Press the button to answer/hang up the calls
Quick Dial 1 Button	To call the contact stored in quick dial 1
Quick Dial 2 Button	To call the contact stored in quick dial 2
Park (Geo-Fence) Button	Activate the Geo-Fence function
Power ON/OFF Button	Power ON and OFF button use to turn on and off the device
SOS Button	Report to the stored numbers by sending text message
Mini USB	Mini USB port use for charging the device
Charge Light	Indicator light for charging status
GPS Light	Indicator light for the GPS status
GPRS Light	Indicator light for the GPRS connection status
Park (Geo-Fence) Light	P indicator light for key pressed operation; the Park/Geo-fence status; lock/unlock keypad; incoming calls or SMS; quick dial calls.
SOS Light	Indicator light for the SOS status

1.4 DEVICE FEATURES

- An "SOS" Button that immediately sends an alert to contacts preset by the user in case of an emergency.
- Quick Dial Buttons allow the device to call up to 2 pre-determined numbers (a third Quick Dial Button is reserved by GO SAFE)
- Five LED's showing GPS signal, GSM/GPRS signal, Parking, SOS, & Power status
- Rechargeable battery with capacity of up to 8 working hours in continuous high working load with full functions, with a short charging time of only 4 hours to restore full battery capacity.
- A sensitive microphone for using the cellular phone functions.
- USB Connection for battery charging.
- Quad-band modem for worldwide coverage, with a highly sensitive GPS module.
- Sleek and stylish design that is both attractive if exposed or easily concealed with the use of available accessories.
- Extended standby time over 40 hours in sleep mode.
- Talk time of max 6 minutes.
- Secure online account access for device personalization and tracking.
- Use the Geo-fence feature (also known as Safety Zone) to set defined perimeters around device and receive alert notifications.

1.5 SCOPE OF THE FILE

This user manual is designed and created for the end users to guide them step by step how to utilize this product.

1.6 SPECIFICATION

Physical	Size Weight	72(L)x47(W)x27(H)mm 62g (battery included)
Environmental	Operating Temperature Store Temperature Humidity	- 15 °C to + 55 °C - 5 °C to + 45 °C 5 - 95%
Power	Voltage Battery Power Consumption	5V DC Li - Ion 3.7V/1000mAh <500uA (Sleep mode) <5mA (Power save mode) <300mA (Active mode)
GSM	Antenna Modem	Internal SIMCOM SIM900D Quad - Band 850/900/1800/1900MHZ
GPS	Antenna Receiver Channels Position Accuracy Sensitivity	Internal uBlox NEO 6M 50 Parallel Channels Autonomous<2.5M -162dBm

1.7 TERMS AND ABBREVIATIONS

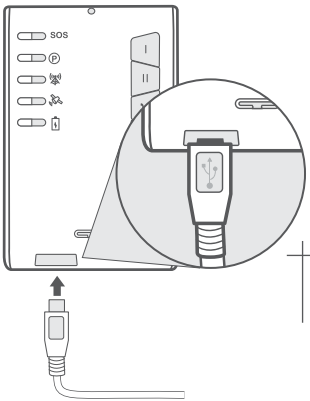
Abbreviation	Description
APN	Access Point Network
GPRS	General Packet Radio Service
GSM	Global System for Mobile Communications
TCP	Transmission Control Protocol
UDP	User Datagram Protocol
SMS	Short Message Service
IP	Internet Protocol
LBS	Location Based Service

2.QUICK INSTALL INSTRUCTIONS

2.1 CHARGING BATTERY

In order to keep a long life for the battery, please full charge the battery for the first time. Steps are shown as follow;

- Connect USB cable into "USB" port on your GOS-606.
- While charging, the power LED is red and it will turn to Green if device is fully charged.



Battery tips

Battery life depends on the network, signal strength, temperature, features, and accessories in use. For maximum performance, please note the following guidelines:

• New batteries or batteries stored for a long time may take more time to charge

• When charging and storing your battery, keep it near room temperature

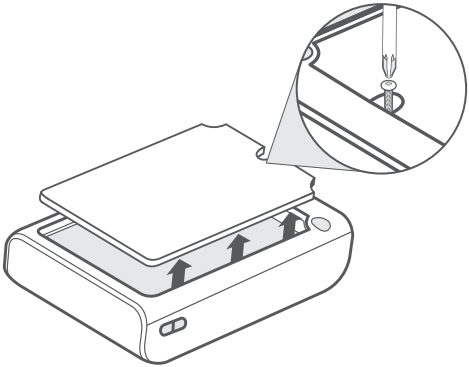
• Never expose batteries to temperature below –10°C (14°F) or above 45°C (113°F).

• It is normal for batteries to gradually require longer charging times. If you notice a significant change in your battery life, it is probably time to purchase a new battery.

• Dispose off properly and according to any applicable state or local laws. Never dispose off batteries in a fire because they may explode.

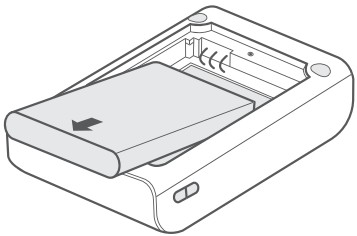
2.2 OPEN DEVICE

Open the G606 enclosure carefully by screwing off the four screws.



2.3 TAKE OUT BATTERY

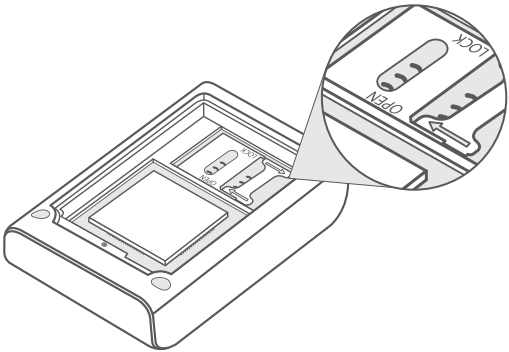
Take out battery from inside the device.



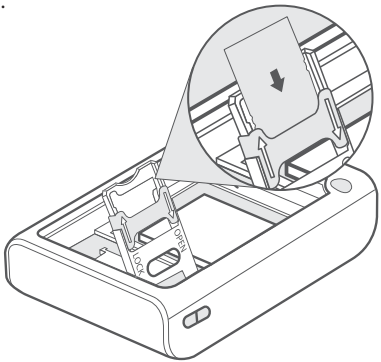
2.4 INSERT SIM CARD

Please follow the steps to insert SIM card.

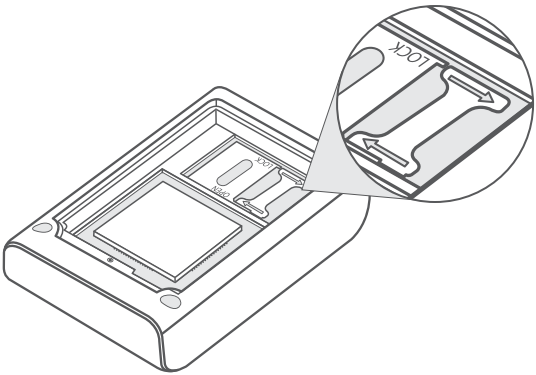
2.4.1 Unlock the SIM card jacket.



2.4.1 Insert SIM card.

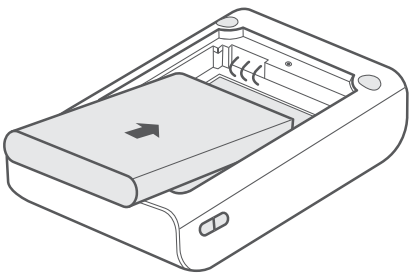


2.4.3 Press down SIM card and lock the jacket.



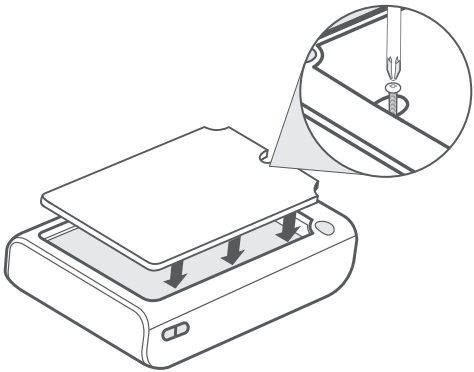
2.5 INSERT BATTERY

Put battery back into the device.



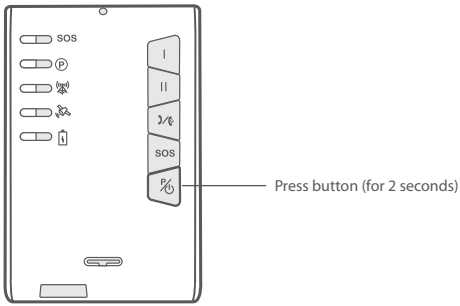
2.6 CLOSE DEVICE

Close enclosure and make it fasten by screw driver.



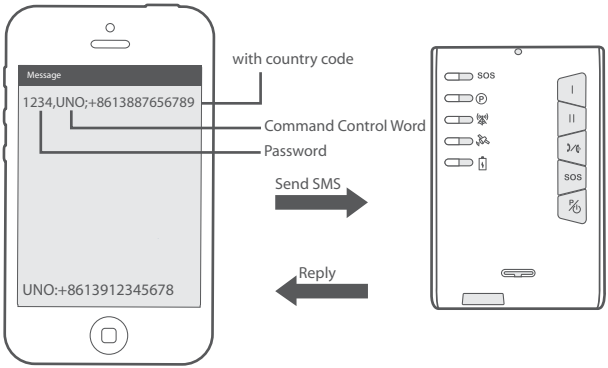
2.7 POWER ON

In power off status, press button 'POWER/PARK' for 2 seconds. Then all indicators will flash one time and buzzer on for one time. Device is powered on and will search for the GSM and GPS signal.



2.8 SET USER NO.

To set user No., you can use any mobile phone to send the following SMS command to SIM card No. inside the device:



Note

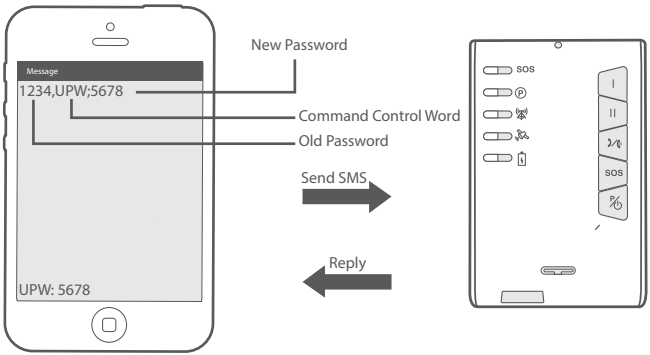
"86" is country code of China. If the device is not used for international roaming, you can also ignore the country code and just send the phone number

like "1234,UNO;13912345678".

that device will send SMS to user after each 30 minute interval or alarm triggered. To protect device, if there is any error in this command, device will not send back any error warning.

2.9 MODIFY PASSWORD

To modify user password at the first usage is strongly suggested. To modify password, you can use user No. send the following SMS command to the SIM card No.:

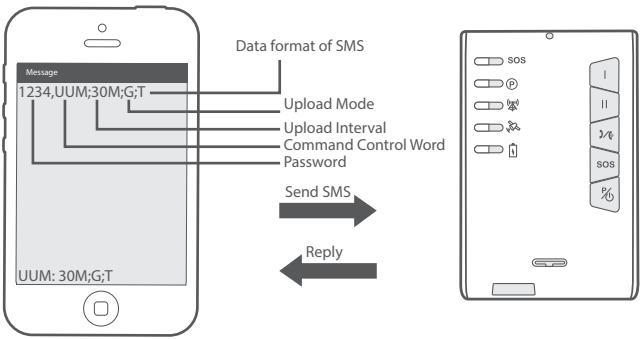


Note

Please memorize your New Password and wait for confirmation SMS for password modification from device.
Only if this command is sent by user No. the system can process this command.

2.10 SET WORK MODE

Device will send location information sms or call to user by time set (default is 30 min). User can send the following command to change the interval and data format.



Note:

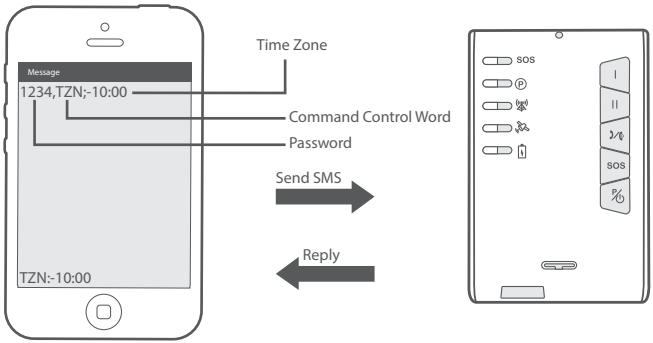
upload internal: "M" is the time unit. This unit can be "S"(second)/ "M" (min)/"H(hour). "30M" means upload interval is 30min. The range of this parameter is (30~900S)/(15~59M)/(1~240H).

upload mode: "O": close unloading. Then device will not send SMS to user by time set."G": upload GPS data by interval set. when there is no GPS , upload LBS (base station) data."S": upload LBS (base station) data by interval set with hexadecimal format."L": monitoring. Device call to user by interval set.

Data format of SMS: "T": text
"W": hyper-link. In this format, device will send a web link.
Example of close upload: 1234,UUM;30M;O;W
Default :UUM0;30M;G;W

2.11 SET TIME ZONE

After setting the time zone, device will send the local time in SMS provided GPS data is valid. If there is no GPS data, then device will not send the time information,.



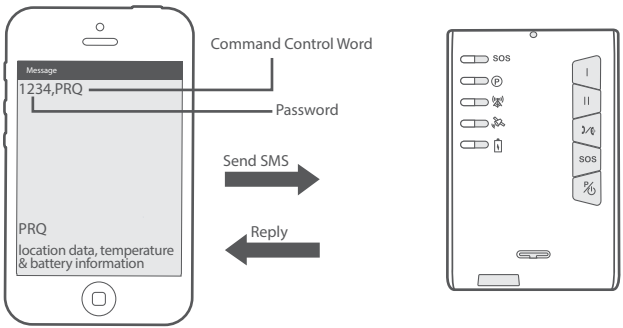
Note:

Time Zone. Enter the time zone parameter from -12:00 to 12:00.

2.12 LOCATION POLL

There are two ways to poll location from the device.

- By sending PQR SMS to device.
- The user mobile can call to the idevice number and will hang up after first ring. The device will then send back GPS location to the user mobile.



And also reply location data and temperature and battery information :

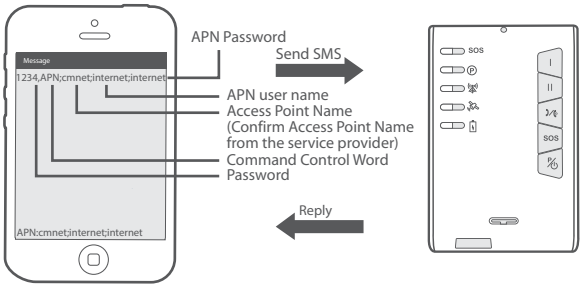
http://maps.google.com/staticmap?zoom=14&size=300x300&markers=23.164683,113.42486sensor=false
TMP=30.5c
BAT=4.2V;99.9%

If GPS is not valid, device will send LBS:

G606 V1.17	Device Name and Version
MCC=460	Mobile Country Code
MNC=1	Mobile Network Code
LAC=517A	Location Area Code
CID=1FB1	Cell Identity
TMP=25.6C	Temperature
BAT=4.2V;100.0%	Battery

2.13 SET APN

Only if the APN is set, you can go to our web for tracking by using GPRS. Make sure your SIM card inside device has activated GPRS mode.

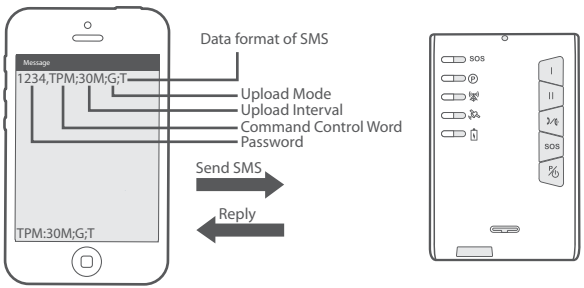


Note:

If want to set "APN:cmnet, APN username: empty, APN password : empty",command is :1234, APN;cmnet
Reply is: APN:cmnet;;

2.14 SET TCP SERVER WORK MODE

Device will send location information to TCP server by time set (default is 60S). User can send the following command to change the interval and data format.



3.KEY BOARD OPERATION

There are five keyboard operations.

Note:

Only if the key board is unlocked, the operation can be fulfilled. When device accepts the operation from the key board, the Park LED will flash one time and buzzer will be on for one time.

3.1 POWER IN/OFF DEVICE

Press button 'POWER/PARK' for 2 seconds. Then all indicators will flash one time and buzzer will be on for one time. Device will change the powered on/off status. When device is powered on, GSM and GPS indicator will flash because it is searching the signals.

3.2 LOCK/UNLOCK

Only if you don't press any button in 15 seconds, keyboard will go into the lock status. Press button '?'+'?' for 0.5 a half second to unlock. However upon receiving a phone call, the device will unlock automatically.

3.3 DUAL COMMUNICATION

3.3.1 ANSWER A CALL

Upon receiving a phone call, the device rings on. Press 'PICK-UP/HANG-UP' button to answer the call. During the process, press 'PICK-UP/HANG-UP' button again can hang up the phone. The call duration can be 6 minutes maximum.

3.3.1 QUICK DIAL A CALL

You can save two quick dial phone numbers in the device by using the following command:

Send command to set phone number one: 1234,FCL0;13862563211
Reply: FCL0:13862563211

Send command to set phone number two: 1234, FCL1;13845673456
Reply: FCL1: 13845673456

Note:

"1234": password
"FCL0"/"FCL1": Command Control Word. "FCL0" is used for phone number 1 while
"FCL1" is for phone number 2.
"13862563211"/" 13845673456": phone number

METHOD TO DIAL A CALL

Press 'I' or 'II' button, device will dial to the corresponded phone number saved in FCL command (button 'I' is for FCL0 and button 'II' is for FCL1). During this process press 'PICK-UP/HANG-UP' can hang-up the phone. The call duration can be 6 minutes maximum.

3.4 SOS BUTTON

The SOS Button should only be used in an emergency. By pressing and holding down the SOS Button for 3 seconds, a message including the location is sent to the user. In the SOS alarm status, the device SOS LED will flash. The ways to clear SOS alarm are as below;

- When receive any authorized call (user, fast dial number), device will automatically pickup the call. Both sides are in dual-communication status. Device will clear SOS alarm automatically.
- In SOS alarm status, press SOS again for 3 seconds, device clear SOS alarm automatically.

3.5 GEO FENCE

A geo fence allows you to set a boundary for your device. If the device goes outside/inside of the geo fence area, an alarm notification will be sent to the user. There are 28 fences in total, from numbers 0 to 27. In default setting, only geo-fence0 is open to user. If you want to open more, please use OEM configuration software or our web to set. There is a quick way for the user to fulfill the round goe-fence with the buttons. Please follow the steps:

- For setting user geo-fence, the user geo-fence type "round geo-fence" and set the radius of the fence(use OEM software or our web)
- Press 'P'and 'I' button together for about a half second, buzzer will turn on and device goes in setting mode.
- Press 'I' to select geo-fence number. Press one time for geo-fence 0 and twice for geo-fence1and so on.
- Press 'P'. then device will start to get the longitude and latitude of center of the round. If it succeeded, buzzer will sound like " be – ,be be". If it failed, buzzer will sound like "be be be".

Note:

if you want to cancel this setting, press 'P'and 'I' button together for about a half second again. Please be aware that if the keyboard is locked during the setting, please unlock the keyboard first.

4. ALARM

When alarm triggered, device will send one SMS to user mobile phone with the location information. In default setting, device will send alarm twice and interval is 3 minutes. Then it will automatically clear alarm and send alarm again when new alarm triggered. You can use OEM software to set upload times and interval and clear alarm by receiving command (setting method is not mentioned in this document).
Here is a sample of SOS alarm when GPS location is valid. Device send alarm:
http://maps.google.com/staticmap?zoom=14&size=300x300&markers=23.164683,113.42486sensor=false
Alarm: SOS

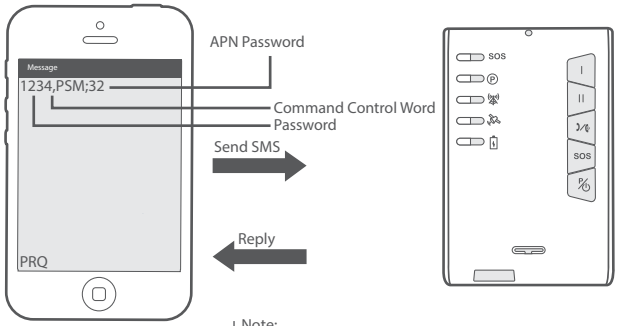
4. COMMANDS FOR ALARMS

Sr.	Description	Ctrl Word	Command	Reply	Remarks
1	low battery alarm				Default is alarm triggered when battery lower than 10% of full. You can use OEM soft or our web to set the threshold.
2	Enable/Disable SMS when movement trigger	MOT	1234,MOT;0 1234,MOT;1	MOT:0 MOT:1	There is a movement sensor inside the device. When device status shift from stop to moving, it will send move alarm. You can enable / disable this alarm by disable the movement sensor. "1"/"0": enable/disable movement sensor. Can set to "0"(disable)/ "1"(enable"). When disable the movement sensor, device status will always be moving (no stop status). Default is enable.
3	Enable/Disable Over Speed Alarm and Set Parameter	SPO	1234,SPO;0 1234,SPO;1	SPO:0 SPO:1	"0"/"1": enable/disable alarm. Can set to "0"(disable)/ "1"(enable"). Default is disable over-speed alarm.
	Set the alert and alarm speed	SOP	1234,SOP;100;120	SOP:100;120	"100": alert speed. For G606, this parameter is reserved. "120": alarm speed. unit: KM/H. in this sample, "120" means alarm speed is 120KM/H. Default is "1234, SOP;80;100" which means alarm speed threshold is 100KM/H.
4	Anti-jamming alarm				Our device can test weather there is a jamming and send alarm to user after jamming is cleared. Then user can get the information that somebody is trying to steal the device or do something bad.

Sr.	Description	Ctrl Word	Command	Reply	Remarks
5	Enable/Disable Goe-fence Alarm	GOF	1234, GOF;0 1234, GOF;87	GOF:0 GOF:87	There are 28 fences in total, from numbers 0 to 27. You can enable/disable alarm for different fence independently by sending the following command. Para3-"0"/"87": enable/disable alarm for different geo-fence. Range:0~ FFFFFFF hexadecimal format. Each bit of this parameter represents one geo-fence. Bit0 represent geo-fence0 and bit1 represent geo-fence 1..... definition of each bit is: "0"：disable geo-fence "1"：enable geo-fence In this sample, user want to "enable alarm for fence 0&1&2&7", which means bit0&bit1&bit2&bit7 are set to "1" (enable) and the other bits are set to "0"(disable). Shown in binary format is "0000 0000 0000 0000 0000 1000 0111" which equals to "0000087" in hexadecimal. The front data of "00000" can be ignored. Then the parameter 3 is set to "87". Default :GOF;FFFFFFF (means enable all the goe-fence)
6	SOS alarm				Please refer to keyboard operation for the details about how to trigger this alarm.
7	Clear alarm	UAC	1234, UAC	UAC	In default, device will clear alarm after it sends twice for one alarm triggered.

5. POWER SAVING MODE SETTING

To set user No., you can use any mobile phone to send the following SMS command to the SIM card No. inside device:



Note:

"32": power save mode parameter. It is separated to two digits. Higher digit is used for GPS and lower for GSM. In the sample "32": "3" is for GPS setting and "2" for GSM setting.
When higher digit is set to "0", the parameter can be set to only one digit. Exp "PSM;2" The larger number is set, the more power saved. If set to "00", GSM and GPS are always open which means no power save.only if the upload intervals for user and server are lager then 5 min, power save function can be used.

5.1 GPS POWER SAVE PARAMETER SETTING

Because some functions are related to GPS location data, in order to fulfill GPS power save function, you need to close the following functions:

- close mileage upload function (OEM configuration software or web setting using MEG command. default is open)
- close geo-fence alarm function (user can set, please refer to part "4 Alarm". Default is open)
- close over-speed alarm function (user can set, please refer to part "4 Alarm". Default is close)
- close upload date when harsh turn occurred (OEM configuration software or web setting using TRN command. Default is close).

Here is the definition of parameters

Para set	Wake up condition	Works after wake up
0	1). GPS power on according to configuration. (set upload by interval and time is up). 2). Alarm generated	always open GPS (no power save)
1		always open GPS (no power save)
2		GPS module wakes up. Get the 3D location data within search time. Then keep ON until working time is over。
3		GPS module wakes up. Get 3D location data within search time and module power off immediately even device can not get GPS data.
4		GPS module wakes up. Get the 2D location data within search time. then keep ON until working time is over
5		GPS module wakes up. Get 2D location data within search time and module power off immediately even device can not get GPS data.

5.2 GPS POWER SAVE PARAMETER SETTING

Para set	Wake up condition	Works after wake up
1	1):Alarm generated 2): GSM power on according to configuration. (set upload by interval for user mobile phone/ server, and time is up.) This interval is decided by command TUP /UUP /SSM). 3): When upload mode is "G" mode. If device can not get GPS location information, power on GSM module to get LBS location information.	Packet data and upload. Then: 1) When alarm occurred, keep module always power ON. 2) If there is no alarm, keep ON until working time is over. If device received command during working time, recount working time. Close module when working time is up.
2		Packet data and upload. Then: 1) Keep ON until working time is over. If device received command during working time, recount working time. Close module when working time is up. (alarm and no alarm are same process).
3		Packet data and upload. Then: 1) When alarm occurred, keep ON until working time is over. If device received command during this working time, recount working time. Then close module when working time is up. 2) If there is no alarm, power off module.
4		Packet data and upload. Then: 1) power off module.

Para set	Wake up condition	Works after wake up
5	1):Alarm generated 2) GSM power on according to configuration. (set upload by interval for the user mobile phone / server and time is up. This interval is decided by command EFS /SSM). note: the interval for sever is decided by EFS and EFS interval>=TUP/UUP interval. So it is more power save then set parameter to "1/2/3/4".	Dealing method is same as parameter set to "1"
6		Dealing method is same as parameter set to "2"
3		Dealing method is same as parameter set to "3"
4		Dealing method is same as parameter set to "4"

Note:

when move alarm triggered, device will wake up. It will shift to sleep status after it do all the works according to the setting above.

6. OTHER FUNCTIONS

6.1 COMMAND TABLE

Sr.	Description	Ctrl Word	Command	Reply	Remarks
1	Adjusting Volume	AGN	1234,AGN;9;90	AGN:9;90	"9": microphone volume. Set this parameter to change the volume of the microphone. The lager number represents larger voice volume. Range:0~15. "90": speaker volume. Set this parameter to change the volume of the speaker. The lager number represents larger voice volume. range:0~100 default: AGN;9;90
2	Enable/disable key tone	KTN	1234, KTN;0 1234, KTN;1	KTN:0 KTN:1	"0": enable/disable. Can set to "0"(disable)/ "1"(enable"). Default: KTN;1
3	Enable/Disable keyboard Lock function	KLK	1234, KLK;0 1234, KLK;1	KLK:0 KLK:1	"0"/"1": enable/disable. Can set to "0"(disable)/ "1"(enable"). Default: KLK;1
4	Voice monitor	VOM	1234,VOM	VOM	This function is used to start the voice monitor without knowing by the device holder or when device holder is in dangerous, it is batter to start voice monitor. There are two methods 1) User can fulfill this function by sending the following command: 1234,VOM After device received this command, it will dial back to the user number and only open microphone (do not open speaker). Then user starts to monitor. 2) Set voice monitor number When voice monitor number calls to device, device will pickup automatically and only open microphone(do not open speaker). You can set 5 numbers. Note: the voice monitor numbers you set can not use dual-communication function because when these numbers call to device, device will pickup quickly and start monitor function. when SOS alarm triggered, device will also send alarm to hotline numbers. Hotline number can also clear the SOS alarm by calling to device. Please use OEM configuration or our web to set the numbers.

Sr.	Description	Ctrl Word	Command	Reply	Remarks
1	Movement sensor setting	MTP	1234, MTP;20;30;40	MTP: 20;30;40	The range of three parameters is the same, that is: 1 ~ 255. "20": vibration threshold. Unit: times/second. "30": vibration time. Unit is second. This parameter is used with parameter 1 to judge whether the vehicle status is shift from stop to move. If the move sensor vibrate over "parameter1" (20 times/second) and last for "parameter2" (30 seconds), the device s will regard the vehicle as in moving status. "40": sustained stop time. Unit is second. This parameter is used to judge whether the vehicle status is shift from move status to stop status. If the sensor stops vibrating, which is 0 times/second, and last for "parameter3" (40 seconds), the device will regard the vehicle as in stop status. Default : MTP;10；10；255
2	Query SIM card balance (only for Russia)				
	1） Query SIM card balance	BLC	1234, BLC;*100#	1234, BLC:*100#	"*100#": USSD. We use USSD to query the balance of SIM card, sending the command, and then waiting for 2 to 3 minutes. The device will reply balance information to user.
	2） Set upload SIM card balance by time set.		1234, BLC;*100#;10	1234, BLC:*100#;10	"10": upload interval, unit: day. Range : 1～30。"10" means device upload balance every 10 days.
	3) Close upload balance by time set		1234,BLC;*100#;0	1234, BLC:*100#;0	"0": fixed to "0" to close upload balance by time set.

6.2 HOTLINE NUMBER

When hotline number calls to device, device will pickup automatically after 3 rings. This can forced the device to start dual-communication. You can set 16 hotline numbers and user number can be one of them. Please use OEM configuration software or our web to set the numbers.

Note:

when SOS alarm triggered, device will also send alarm to hotline numbers. Hotline number can also clear the SOS alarm by calling to device.

6.3 COMBINED COMMAND

To save time and SMS resource on configuration, user can apply combine command, in which there is more than one command, to operate configuration. The combine command would begin with user password, which is followed by commands (commands order is flexible). Format is as follow:

Pw	,	Command word	;	Parameter	;	Parameter	,	Command word	;	Parameter
		First command						Second Command		

If there is duplication of the same command in the same combine command, just the last piece of command would be processed; if there is error in the command, the command with error would be discarded, and device would only confirm setting of correct commands with no error warning. If all the commands are error, an alarm will be sent. All setting commands, except user No. setting command under the condition of the user number has never been changed, can be set by combine command.
Example：1234,UUM;30M;G;T,UPW;1234

7. STRUCTURES OF SMS FROM DEVICE

7.1NORMAL LOCATION SMS (TXT FORMAT)

(Located Successful)

G606 V1.17	Device Name and Version
GPS 10/71	Satellites Connected &Time used for Location (secs)
UTC 12-06-08 12:24:20	Specific time zone and Location time based on specific time zone
N23 9.8329	Latitude in degree-minute format
E113 25.7149	Longitude in degree-minute format
SPD:0km/h 0	Device speed and Move Direction
TMP=25.6C	Temperature
BAT=4.2V;100.0%	Power

(Located Unsuccessful) use LBS

G606 V1.17	Device Name and Version
MCC=460	Mobile Country Code
MNC=1	Mobile Network Code
LAC=517A	Location Area Code
CID=1FB1	Cell Identity
TMP=25.6C	Temperature
BAT=4.2V;100.0%	Power

7.2 NORMAL LOCATION SMS (HYPERLINK FORMAT)

(Located Successful) Google link

Gosafe G606 V1.17	Device Name and Version
http://maps.goole.com/staticmap?zoom=14&size=150x150&markers=39.9493,116.3875&sensor=false	Google Map Link
TMP=25.6C	Temperature
BAT=4.2V;100.0%	Power

(Located Successful) Yandex link

Gosafe G606 V1.17	Device Name and Version
http://m.maps.yandex.ru/?ll=116.3875,39.949328&pt=116.3875,39.949328&z=12	Yandex Link
TMP=25.6C	Temperature
BAT=4.2V;100.0%	Power

(Located Unsuccessful) use LBS

Gosafe G606 V1.17	Device Name and Version
MCC=460	Mobile Country Code
MNC=1	Mobile Network Code
LAC=517A	Location Area Code
CID=1FB1	Cell Identity
TMP=25.6C	Temperature
BAT=4.2V;100.0%	Power

7.3 ERROR COMMAND ALERT

Gosafe G606 V1.17
Error command!

7.4 ALARM

Alarm type	SMS received (hyperlink)	SMS received (TXT)	SMS received (LBS)
Low battery	G606 V1.17 http://maps.google.com/staticmap?zoom=14&size=300x300&markers=23.164683,113.42486sensor=false Alarm: Low Inter_Batt	G606 V1.17 GPS 10/71 UTC 12-06-08 12:24:20 N23.164614 E113.428672 SPD:0km/h 0 Alarm:Low Inter_Batt	G606 V1.17 MCC=460 MNC=0 LAC=2503 CID=962C Alarm:Low Inter_Batt
move	G606 V1.17 http://maps.google.com/staticmap?zoom=14&size=300x300&markers=23.164683,113.42486sensor=false Alarm:Moving	G606 V1.17 GPS 10/71 UTC 12-06-08 12:24:20 N23.164614 E113.428672 SPD:0km/h 0 Alarm:Moving	G606 V1.17 MCC=460 MNC=0 LAC=2503 CID=962C Alarm:Moving

Alarm type	SMS received (hyperlink)	SMS received (TXT)	SMS received (LBS)
over-speed	G606 V1.17 http://maps.google.com/staticmap?zoom=14&size=300x300&markers=23.164683,113.4248 6sensor=false Alarm:over speed	G606 V1.17 GPS 10/71 UTC 12-06-08 12:24:20 N23.164614 E113.428672 SPD:0km/h 0 Alarm:over speed	G606 V1.17 MCC=460 MNC=0 LAC=2503 CID=962C Alarm:over speed
anti-jamming	G606 V1.17 http://maps.google.com/staticmap?zoom=14&size=300x300&markers=23.164683,113.4248 6sensor=false Alarm:Anti-Jamming	G606 V1.17 GPS 10/71 UTC 12-06-08 12:24:20 N23.164614 E113.428672 SPD:0km/h 0 Alarm:Anti-Jamming	G606 V1.17 MCC=460 MNC=0 LAC=2503 CID=962C Alarm:Anti-Jamming
geo-fence	G606 V1.17 http://maps.google.com/staticmap?zoom=14&size=300x300&markers=23.164683,113.4248 6sensor=false Alarm:Geo-Fence in	G606 V1.17 GPS 10/71 UTC 12-06-08 12:24:20 N23.164614 E113.428672 SPD:0km/h 0 Alarm:Geo-Fence in	G606 V1.17 MCC=460 MNC=0 LAC=2503 CID=962C Alarm:Geo-Fence in
SOS for user	G606 V1.17 http://maps.google.com/staticmap?zoom=14&size=300x300&markers=23.164683,113.4248 6sensor=false Alarm:SOS	G606 V1.17 GPS 10/71 UTC 12-06-08 12:24:20 N23.164614 E113.428672 SPD:0km/h 0 Alarm:SOS	G606 V1.17 MCC=460 MNC=0 LAC=2503 CID=962C Alarm:SOS
SOS for hotline numnber and voice monitor number	G606 V1.17 http://maps.google.com/staticmap?zoom=14&size=300x300&markers=23.164683,113.4248 6sensor=false SOS	G606 V1.17 GPS 10/71 UTC 12-06-08 12:24:20 N23.164614 E113.428672 SPD:0km/h 0 SOS	G606 V1.17 MCC=460 MNC=0 LAC=2503 CID=962C SOS

8. USER COMMAND LIST AND DEFAULT SETTING

ID	Command words	Explain	Default parameters	illustration	DFP command reset to default	Upgrade firmware reset to default
1	UNO	Set user phone number	empty		√	×
2	UPW	Set user password	UPW;1234	Password:1234	√	×
3	UUM	User upload mode	UUM0;30M;G;W UUM1;12H;G;W	Interval: 30 min	√	×
4	UAC	User alarm clear	none		×	×
5	PRQ	Request location information	none		×	×
6	SCN	SMS center number	empty		×	×
7	APN	APN	none		×	√
8	VOM	Voice monitor	none		×	×
9	SPO	enable/disable over Speed	SPO;0	disable	√	×
10	SOP	Speeding alarm parameters setting	SOP;80;100	Alert speed:80Km/H Alarm speed:100 Km/H	√	×
11	MOT	Enable/ disable movement sensor	MOT;1	enable	√	×
12	GOF	Enable /disable Geo-fence	GOF;FFFFFFF	Enable all goe-fence	√	×
13	TZN	Time zone setting	TZN;0:00		√	×
14	BLC	Balance check (specially used for Russia)	empty		×	×
15	MTP	Movement sensor setting	MTP;10；10；255		√	×
16	FCL	Quick call list	empty		√	×

ID	Command words	Explain	Default parameters	illustration	DFP command reset to default	Upgrade firmware reset to default
17	KLK	Enable/ disable key lock function	KLK；1	enable	√	×
18	KTN	Enable/ disable key tone	KTN；1	enable	√	×
19	AGN	Adjust volume	AGN;9;90	Interval: 30 min	√	×

9. LED FLASHES & RELEVANT DEVICE STATUS

There is an external LED light to reflect device status in G606.
To check the statuses, please count the LED light flashes then compare it to the chart below:

SOS LED (red)	
Low battery alarm	1 flash, interval 8 seconds
SOS alarm	2 flash, interval 8 seconds
Geo-fence alarm	3 flash, interval 8 seconds
Park LED (blue) : flash when button pressed ,Calls in, dial a call.	
GSM LED (green):	
GSM sleep	1 flash, interval 64 seconds
GSM on, unregistered	1 flash, interval 8 seconds
GSM has signal	2 flashes, interval 8 seconds
PPP connect success	3 flashes, interval 8 seconds
TCP connect success	4 flashes, interval 8 seconds
4) GPS LED (orange)	
Gps sleep	1 flash, interval 64 seconds
Gps On, no signal	1 flash, interval 8 seconds
Gps has signal	2 flashes, interval 8 seconds

10. TROUBLE SHOOTING

10.1 CAN NOT RECEIVE REPLY SMS

Reason: when device is powered on, it will search the SMS center number but if it is not being searched by the device. Solution: send command to change the SMS center number. Make sure that the number is correct.
Send command: 1234, SCN;+8613800138000
Reply: SCN:+8613800138000

Note:

"+8613800138000": SMS center No. with country code. "+" is country code mark while "86" is country code of China. This number must have country code.

10.2 CAN NOT START VOICE MONITOR

Reason: SIM card inside device do not have call number display function. Then device will not pickup automatically because it do not recognize the number. Please open this function.

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